Performance Data Sheet

RGA5471BXC

General Information

Model	RGA5471BXC	**Refrigerant**	R-410A
Test Condition	ASHRAE	**Performance Test Voltage**	240V ~ 50HZ
Return Gas	35°C (95°F) RETURN GAS	**Motor Type**	CSR

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-25	Btu/h	1750			
	Watts (Power)	201			
	Amps	1.84			
	Lb/h	24.5			
-23.3	Btu/h	1870	2070		
	Watts (Power)	224	349		
	Amps	1.81	2.20		
	Lb/h	26.2	28.9		
-20	Btu/h	2130	2280		
	Watts (Power)	262	383		
	Amps	1.75	2.16		
	Lb/h	29.9	32.0		
-15	Btu/h	2630	2720	2670	
	Watts (Power)	307	424	503	
	Amps	1.70	2.13	2.40	
	Lb/h	36.8	38.1	37.4	
-10	Btu/h	3240	3280	3170	3070
	Watts (Power)	338	453	534	619
	Amps	1.66	2.12	2.43	2.77
	Lb/h	45.4	45.9	44.4	42.9
-6.7	Btu/h	3710	3720	3580	3430
	Watts (Power)	351	466	550	640
	Amps	1.64	2.12	2.46	2.84
	Lb/h	51.9	52.1	50.0	47.9
-5	Btu/h	3970	3970	3810	3640
	Watts (Power)	355	471	557	650
	Amps	1.63	2.12	2.48	2.87
	Lb/h	55.5	55.6	53.3	50.9
0	Btu/h	4820	4790	4590	4370
	Watts (Power)	360	480	573	676
	Amps	1.60	2.13	2.53	2.99
	Lb/h	67.3	67.0	64.2	61.1

5	Btu/h	5780	5740	5510	5250
	Watts (Power)	353	480	583	700
	Amps	1.55	2.12	2.58	3.10
	Lb/h	80.8	80.3	77.1	73.4
7.2	Btu/h	6240	6200	5960	5680
	Watts (Power)	347	478	586	709
	Amps	1.52	2.11	2.59	3.14
	Lb/h	87.3	86.8	83.4	79.5
10	Btu/h	6860	6830	6580	6280
	Watts (Power)	336	472	588	721
	Amps	1.48	2.10	2.61	3.19
	Lb/h	96.0	95.5	92.0	87.9
15	Btu/h	8070	8040	7790	7480
	Watts (Power)	309	458	589	741
	Amps	1.37	2.04	2.61	3.27
	Lb/h	113	113	109	105

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.191984E+03	-5.421992E+02	-2.594893E+00	3.070496E+01
C2	1.752499E+02	5.024408E-01	-1.943399E-02	2.451994E+00
C3	1.867146E+02	5.112291E+01	2.409866E-01	2.608203E+00
C4	1.669199E+00	-3.931633E-01	-5.210385E-04	2.337060E-02
C5	6.131002E-01	-1.236833E-01	7.528144E-05	8.528895E-03
C6	-4.110153E+00	-8.902481E-01	-4.288287E-03	-5.741465E-02
C7	2.175750E-03	1.374809E-03	-1.411696E-05	2.907266E-05
C8	2.376814E-02	5.470778E-03	8.215283E-06	3.325636E-04
C9	-1.427147E-02	3.299916E-03	1.042034E-05	-1.991413E-04
C10	2.670034E-02	6.278742E-03	3.036644E-05	3.729273E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature